

PENDING CLAIMS

1-39. (canceled)

2 ~~40~~. (previously amended) The vaccine of claim ~~41~~ comprising *P. haemolytica* ATCC 55518.

1 ~~41~~. (previously amended) A vaccine for inducing protective immunity against *Pasteurella haemolytica* infection, comprising: an isolated *Pasteurella haemolytica* bacterium which comprises a mutation in an *aroA* gene, wherein the mutation attenuates the bacterium.

3 ~~42~~. (previously added) The vaccine of claim ~~41~~ containing an adjuvant.

4 ~~43~~. (previously amended) The vaccine of claim ~~41~~ which is formulated for a route of administration selected from the group consisting of intranasal, intratracheal, intramuscular, and intravenous routes of administration.

5 ~~44~~. (previously amended) The vaccine of claim ~~41~~ which is formulated for subcutaneous injection.

45-66. (canceled)